

RUKHADZE, Zh.A.

Boundary value problems involving the vibration of a plane infinite
inhomogeneous elastic isotropic body. Scob. AN Gruz. SSR 35 no.3:
531-538 S '64. (MIRA 17:11)

1. Vychislitel'nyy tsentr AN GruzSSR. Predstavлено akademikom V.D.
Kupradze.

L 29904-66 EWT(d) IJP(c)

ACC NR: AR5028213

SOURCE CODE: UR/0044/65/000/008/B063/B063

39
BAUTHOR: Rukhadze, Zh. A.TITLE: Solution of boundary value problems of the elasticity theory for piecewise inhomogeneous media by the method of generalized Fourier series

SOURCE: Ref. zh. Matematika, Abs. 8B338

REF SOURCE: Tr. Gruz. politekhn. in-t, no. 4(97), 1964, 11-19

TOPIC TAGS: Fourier series, boundary value problem, elasticity theory, elastic deformation, mathematics, elastic stress

ABSTRACT: In an infinite elastic plane is built in a finite elastic insert from another material, restricted by a closed boundary, with a constant curvature as regards H. The discontinuities in dislocations and stresses at the interface of the media are given. It is sought to determine the deformed state of the system. The problem, called in this article the boundary value problem of the elasticity theory for a piecewise inhomogeneous body, is quite general despite of its seemingly particular nature and the solution of many boundary value problems in statics and oscillation of piecewise inhomogeneous bodies is

Card 1/2

UDC 517.9.539.3

L 29904-66

ACC NR: AR5028213

O

advanced towards its solution. After making some general suppositions concerning the given data in the problem, the existence of a solution to the problem is proven and presented by Green's formula and, what's most important, a perfectly effective method of calculating the approximate values is given. This is accomplished by presenting the solution in the form of generalized Fourier series by a certain complete system of functions, constructed clearly and elementarily with the aid of any basic solution of the system of equations of the elasticity theory. For problems with homogeneous bodies, a method is given in the reviewer's [V. Kupradze] book "Metody potentsiala v teorii uprugosti" (Potential Methods in the Elasticity Theory, M. 1963).

SUB CODE:20, 12 SUBM DATE: none

Card 2/2 1C

S/251/63/030/001/001/002
D218/D308

AUTHOR:

Rukhadze, Zh.A.

TITLE:

Boundary problems in the theory of elasticity for
piecewise nonhomogeneous orthotropic bodies

PERIODICAL: Akademiya nauk Gruzinskoy SSR. Soobshcheniya, v. 30,
no. 1, 1963, 11-18

TEXT: The theory of boundary problems for piecewise non-
homogeneous isotropic bodies has been given by Kupradze (Soobshch.
AN Gruz. SSR, v. 22, no. 2 and 3, 1959). It is now shown that equi-
librium of a plane, infinite, piecewise, nonhomogeneous, orthotropic
body may be studied in a similar way, and the main existence theorem
for this case is established. The problem is formulated as follows.
An orthotropic medium characterized by Hooke's constants A_{11} , A_{22} ,
 A_{66} , $A_{12} + A_{66}$ fills a 2-dimensional space except for a finite re-
gion B_i filled by an elastic medium with constants A_{11} , A_{22} , A_{66} ,
 $A_{12} + A_{66}$. It is assumed that the region B_i is bounded by a closed
Card 1/2

Boundary problems ...

S/251/63/030/001/001/002
D218/D308

Lyapunov curve l along which the media are in rigid contact. The source of deformation is assumed to lie at a point P_0 in B_a and it is required to determine the elastic displacement vector in B_i and B_a . It is shown that the problem admits of a unique solution, or the homogeneous problem admits of only a trivial solution. A more general case will be discussed in a subsequent paper.

ASSOCIATION: AN GSSR, Vychislitel'nyy tsentr (AS GSSR, Computing Center, Tbilisi)

PRESENTED: by V.D. Kupradze, Member of the AS GSSR

SUBMITTED: June 26, 1961

Card 2/2

Rukkolan Kyllikki

MATVEYEVA, Rakel; VISKARI, Eyne; FORSMAN, Khel'ga; RANTANEN, Astrid;
SALMI, Khil'ya; TERVONEN, Lidiya; KHEGLUND, Lempi; KURKI, Mariya;
LEMPINEN, Khanna; RUKHKANEN, Kyllikki; MANNILA, An'ya; PUTTONEN,
Katri.

For the common good. Rabotnitsa 36 no.8:22 Ag '58. (MIRA 11:9)
(Russia—Description and travel)

TERENT'YEV, A.P., otv.red.; ALIMARIN, I.P., red.; GEL'MAN, N.E., red.;
KLIMOVA, V.A., red.; KRESHKOV, A.P., red.; KUZNETSOV, V.I., red.;
LEVIN, E.S., red.; PODGAYSKAYA, Z.I., red.; RUKHADZE, Ye.G., red.;
TAL'ROZE, V.L., red.; TSUKERMAN, A.M., red.; SHEMYAKIN, F.M., red.;
SHEYNIKER, Yu.N., red.; YERMAKOV, M.S., tekhn.red.

[Conference on organic analysis] Soveshchanie po organicheskому
analizu. Tezisy dokladov. Moskva, Izd-vo Mosk.univ., 1961. 170 p.
(MIRA 14:4)

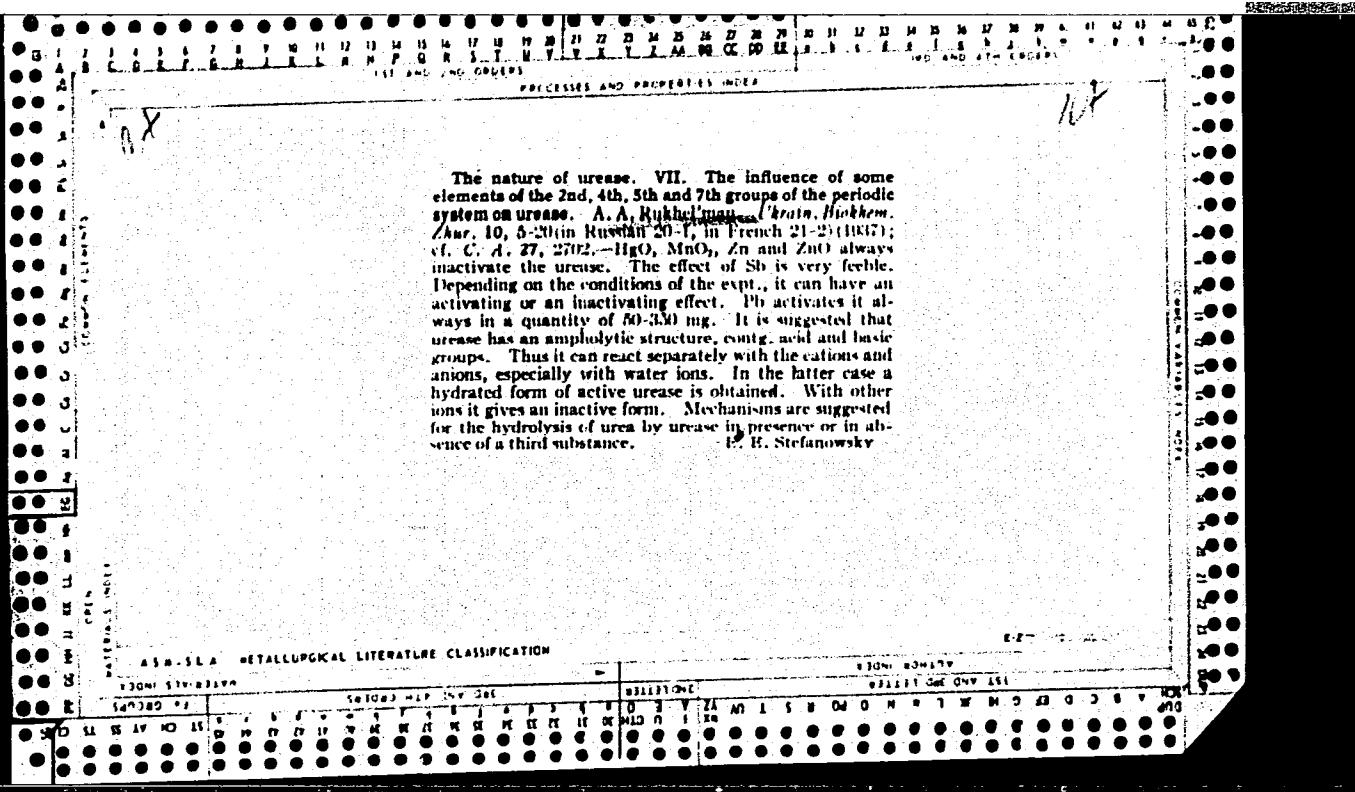
1. Soveshchaniye po organicheskому analizu. 1961.
(Chemistry, Analytical--Congresses)
(Chemistry, Organic--Congresses)

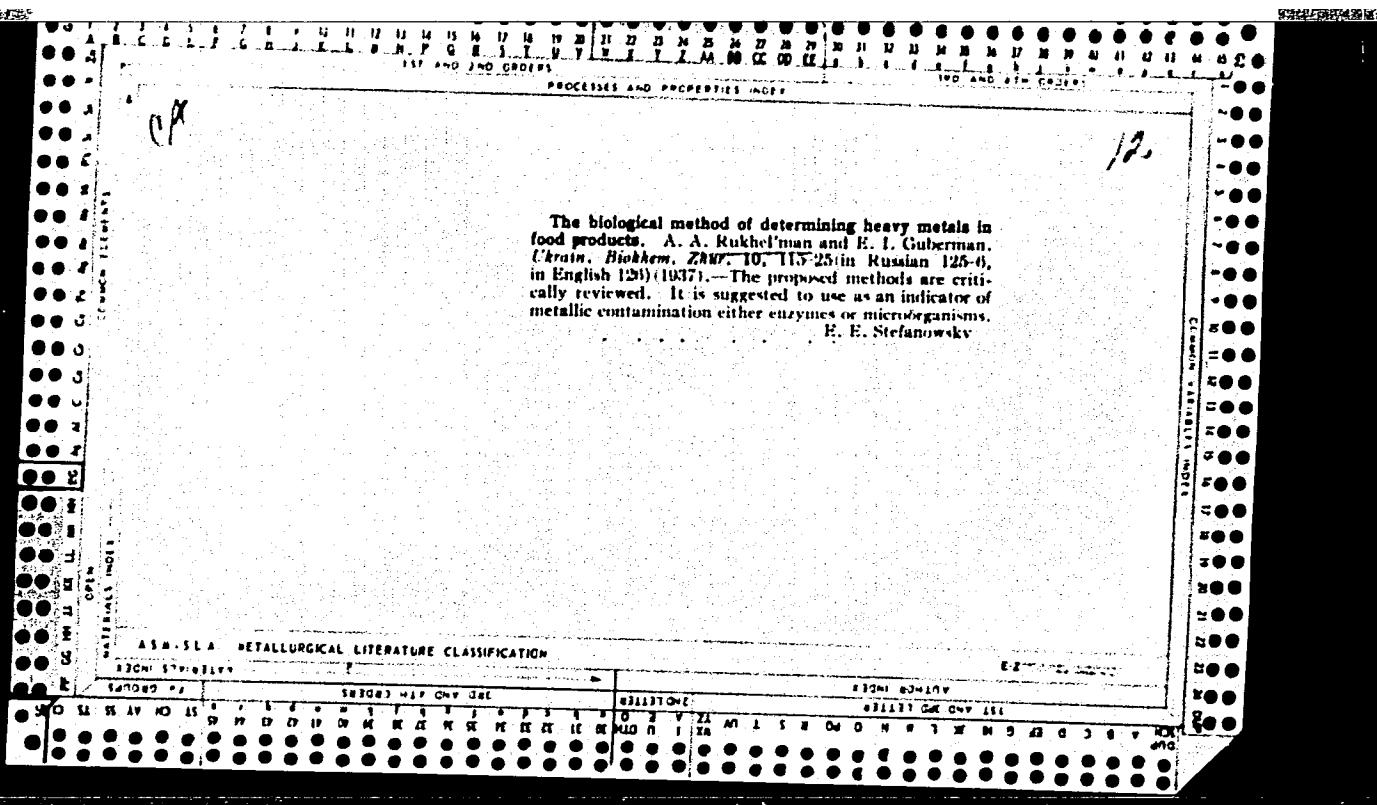
RUKHLYADEV, Yu. P. Cand Biol Sci -- "Biological mass and the ~~the~~ runoff
of ~~the~~ Volga near Kuybyshev under conditions of unbroken melting." Kuybyshev,
1961 (Min of Education RSFSR. Kuybyshev State Ped Inst im V. V. Kuybyshev).
(KL, 4-61, 192)

RUKHLYADEV, Yu.P.

The ratio of zooplankton to the total flow of the Volga River
under conditions of undisturbed hydrological regime. Zool. zhur.
40 no.4:490-497 Ap '61. (MIRA 14:3)

1. Department of General Biology, Kuibyshev Medical Institute.
(Volga River--Zooplankton)

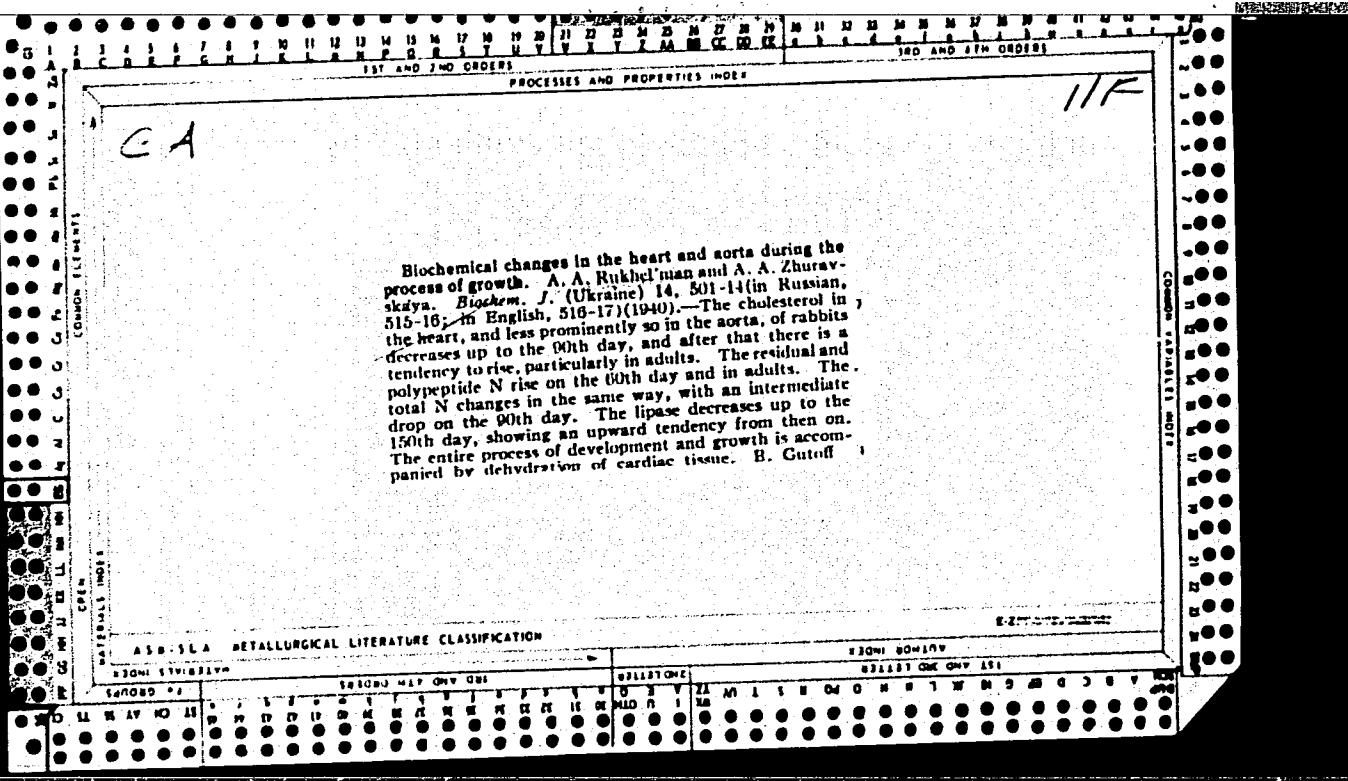


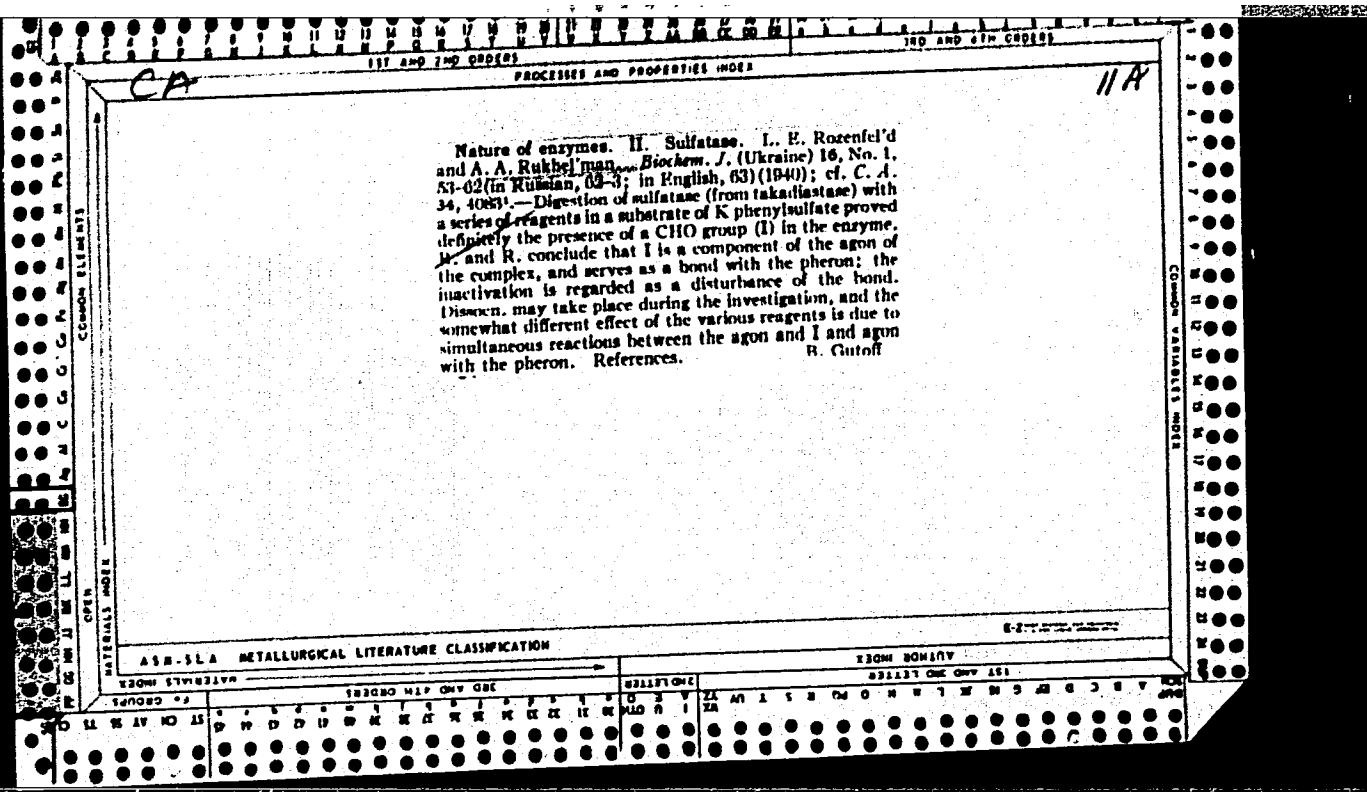


*Ca**II A*

Data on the nature of enzymes. I. Amylase, pepsin
I. B. Rosenfeld, A. A. Rukhelman and A. A. Zhurav-
skaya. *Biochem. J. (Ukraine)* 13, 541-566 (Russian,
1930); in English, 557-8 (1930).--To determine the chem-
ical nature of the active enzyme groups a series of expts. were
conducted with amylase and pepsin. The reaction of
amylase with NH_4OH and PbN_3H_2 leads to the conclusion
that amylase contains an active aldo group. The possi-
bility of coexistence of this group together with an acid-
base group is not excluded. The aldo group was not found
in pepsin. "False activation" was noticed when the sub-
strate or being fixed by "third" substances is partially ex-
cluded from the sphere of reaction, giving an impression of
high enzyme activity, whereas the enzyme actually hy-
drolyzes a smaller amt. of substrate. II. Goutoll

AT&T SEA METALLURGICAL LITERATURE CLASSIFICATION





RUKHEL'MAN, A. A.

(3)

Nitrogen content of the blood of long-horned cattle of different ages. A. A. Rukhel'man and P. P. Chornil (Odessa Agr. Inst.), *Ukrain. Biokhim. Zhur.* 25, 310-1 (in Russian, 314-15(1953).—Total blood N in the embryo increases steadily from the 4th to the 9th month; it is still higher in adults. The protein N increases in the embryonic and postnatal stages, and drops in 10-15-year olds. Globulin N increases in all periods more rapidly than protein N.
B. Gutoff

GIMMEL'FARB, Ya.K.; RUKHEL'MAN, A.A.

Use of nonmicrobial adsorbents for the concentration and prolonged storage of infectious hepatitis virus outside of a living organism. Trudy Kish.gos.med.inst. 11:51-56 '60. (MIRA 16:2)

1. Virusologicheskaya laboratoriya Odesskogo instituta epidemiologii i mikrobiologii im. I.I. Mechnikova.
(HEPATITIS, INFECTIOUS MICROBIOLOGY)

RUIHEL'MAN, A.A., dots.

Antigenic properties of tissue preparations. Vrach.delo no.1:93-94
Ja '58. (MIRA 11:3)

1. Kafedra biokhimii (zav.-prof. T'Suverkalov) Odesskogo meditsinskogo
instituta.
(TISSUE EXTRACTS) (ANTIGENS AND ANTIBODIES)

RUKHEL'MAN

GIMMEL'FARB, Ya.K., prof.; RUKHEL'MAN, A.A., dots.

Using nonmicrobial adsorbents for detecting viruses. Vrach.delo
no.2:203-205, F '58. (MIRA 11:3)

1. Virusologicheskaya laboratoriya Odesskogo instituta epidemiologii
i mikrobiologii.
(VIRUSES)

BELEN'KIY, M.S.; RYBCHINSKAYA, Ye.M.; RUKHEL'MAN, R.O.

Dynamics of the restorative process in infectious nonspecific (rheumatoid) polyarthritis during compound health resort treatment according to data on the clinical aspects of the disease and some laboratory data (protein fractions in the blood serum and detailed erythrocyte sedimentation reaction). Zdravookhranenie 5 no.1:30-35 (MIRA 15:4) Ja-F '62.

1. Iz revmatologicheskoy kliniki i biokhimicheskoy laboratorii Ukrainskogo instituta kurortologii i fizioterapii (direktor dotsent F.Ye. Kurkudym).

(ARTHRITIS, RHEUMATOID) (BLOOD PROTEINS)
(ERYTHROCYTES)

Rukenshteyn.

USSR/Hydromechanics. Viscous fluids, boundary layers and heat transfer. Heat transfer.

Abs Jour: Ref Zhur - Mekhanika, No 7, 1957, 7995

Author : E. Rukenshtein

Inst :

Title : Heat Transfer Equations for Turbulent Flow in Pipes

Orig Pub: Izv. AN SSSR, Otd. tekhn. n., 1956, No 5, pp 23-28
(summary in Rumanian)

Abstract: The energy equation for turbulent flow in a pipe at a large distance from the inlet is transformed into the following:

$$\rho c_p \frac{\partial t_m}{\partial \theta} + \rho c_p u_m \frac{\partial t_m}{\partial x} = \frac{2}{R} \alpha (\tau_p - \tau'm)$$

Here, θ is the time; c_p is the heat capacity; t_m' , t_m and τ_p are average temperature in terms of area and delivery and the wall temperature, respectively; ρ is the density; u_m is the mean velocity; R is the radius of the pipe; and α is the heat transfer coefficient,

Card 1/2

RUKENSHTEYN, Ye.

USSR/Physical Chemistry - Solutions, Theory of Acids and Bases. B-11

Abs Jour: Referat. Zhurnal Khimiya, No 2, 1958, 3928.

Author : Ye. Rukenshteyn, D. Smigel'skiy.

Inst : Academy of Sciences of USSR.

Title : To The Question of Activity Factors of Binary Non-Elektrolyte Systems.

Orig Pub: Dokl. AN SSSR, 1956, 111, No 6, 1282-1285.

Abstract: New equations expressing the dependence of the activity factor γ of binary mixtures of non-electrolytes on the composition were derived with the application of van-Laar's equation for γ and the equation of Gibbs-Dyugem [the translator does not know how "Dyugem" should be spelled in English]. The proposed equations contain empirical constants. The authors showed that the equations derived by them described the experimental data of methylethylacetone - n-heptane, 2-methyl-3-butine-2-ol - water,

Card : 1/2

-3-

RUKHGENDLER, S.M.

Esophagobronchial fistulas. Vest. rent. i rad. 38 no.1:63-65
(MIRA 16:10)
Ja-F'63.

1. Iz kafedry rentgenologii i radiologii (zav. - prof. I.A. Shekhter) Moskovskogo meditsinskogo stomatologicheskogo instituta i rentgenovskogo otdeleniya (zav. P.A.Pavlova) klinicheskoy bol'nitsy No.33 imeni A.A. Ostroumova (glavnnyy vrach P.V.Abashkina).

*

RYVLIN, Ya.B., prof.; KOLODNER, I.B., dots.; LEVIN, O.A., prof., polkovnik med. sluzhby [deceased]; KUPRIYANOV, P.A., general-leytenant med. sluzhby, red.; KOLESNIKOV, I.S., polkovnik med. sluzhby, prof., red.; RUKHIMOVICH, G.S., ved. red.; SHEVCHENKO, F.Ya., tekhn. red.; SHCHADENKO, A.S., tekhn. red.

[Atlas of gunshot wounds] Atlas ognestrel'nykh ranenii. Pod red. P.A.Kuprianova, I.S.Kolesnikova. Leningrad, Medgiz. Vol.6. [Gunshot wounds of the extremities; wounds of the shoulder, forearm, hip, and leg] Ognestrel'nye ranenija konechnostei; ranenija plecha, predplech'ia, bedra i goleni. 1954. 215 p. Vol.9. [Anaerobic infections following gunshot wounds] Anaerobnaja infektsija posle ognestrel'nykh ranenii. 1953. 259 p. (MIRA 16:6)

1. Russia (1923- U.S.S.R.)Glavnoye voyenno-meditsinskoye upravleniye Vooruzhennykh Sil. 2. Deystvitel'nyy chlen Akademii meditsinskikh nauk SSSR (for Kupriyanov).

(EXTREMITIES (ANATOMY))—WOUNDS AND INJURIES)
(GUNSHOT WOUNDS) (GAS GANGRENE)

BURMISTROV, M.I.; MISHURA, V.I.; PISAREV, Yu.F.; RUKHIMOVICH, G.S., kand.med.
nauk (Leningrad, Liteynyy pr., d.28, kv.8)

Complications in cardiac catheterization and angiography. Vest.
khir. 83 no.9:25-30 S '59. (MIRA 13:2)

1. Iz khirurgicheskoy kliniki usovershenstvovaniya vrachey (nachal'-
nik - prof. P.A. Kupriyanov) Voyenno-meditsinskoy ordena Lenina aka-
demii im. S.M. Kirova.

(HEART CATHETERIZATION, compl.)

(ANGIOPHOTOGRAPHY, compl.)

KURDYBAYLO, F.V., kand.med.nauk, RUKHIMOVICH, G.S., kand.med.nauk (Leningrad).

Treatment of lymphogramulomatosis. Klin.med. 36 no.7:119-123
Jl '58 (MIRA 11:11)

1. Iz kliniki fakul'tetskoy terapii (nach. - prof. V.A. Beyyer)
i kliniki khirurgii dlya usovershenstvovaniya vrachey (nach. -
prof. P.A. Kupriyanov) Voyenno-meditsinskoy ordena Lenina akademii
S.M. Kirova.

(HODGKIN'S DISEASE, ther.
chemother. & x-ray (Rus))

(RADIOTHERAPY, in various dis.

Hodgkin's dis., with chemother. (Rus))

RUKHIMOVICH, G. S., kand. med. nauk (Leningrad, F-2, Raz'ezzhaya ul., d.10, kv.9)
BURMISTROV, M.I..

Cardiac catheterization and angiocardiology in congenital defects
of the heart and of the large vessels. Vest. khir. 82 no.5:58-63
May '59. (MIRA 12:7)

1. Iz khirurgicheskoy kliniki usovershenstvovaniya vrachey (rach. -
prof. P. A. Kurpiyanov) Voyenno-meditsinskoy ordena Lenina akademii
im. S.M. Kirova.
(HEART--ABNORMALITIES AND DEFORMITIES)
(ANGIOCARDIOGRAPHY)

KUPRIYANOV, P.A.; KOLESOV, A.P.; KUTUSHEV, F.Kh; IZBINSKIY, A.L.;
RUKHIMOVICH, G.S.

Diagnosis and therapy of paravasal forms of lung cancer. Vop.
(MIRA 16:9)
onk. 9 no.2:6-11'63.

1. Iz khirurgicheskoy kliniki usoovershenstvovaniya vrachey
no.1 (nachal'nik - deystvitel'nyy chlen AMN SSSR prof. P.A.
Kupriyanov) Voyenno-meditsinskoy ordena Lenina Akademii ime-
ni Kirova.

(LUNGS—CANCER)

BUKHIMOVICH, G.S.; KROL, Ya.M.; BONK, G.M.

Clinical X-ray diagnosis of central lung cancer with retro-grade metastases. Vop.onk. 9 no.2:17-24'63. (MIRA 16:9)

1. Iz khirurgicheskoy kliniki usovershenstvovaniya vrachey no.1
(nachal'nik - deystvitel'nyy ch. AMN SSSR prof. P.A.
Kupriyanov) Voyenno-meditsinskoy ordena Lenina akademii imeni
S.M.Kirova.

(LUNGS-CANCER) (LUNGS-RADIOGRAPHY)
(METASTASIS)

IL'INSKIY, G.S.

IL'INSKIY, P.I.; RUKHIMOVICH, G.S.

X-ray therapy of bronchial asthma in children. Pediatriia no.9:88
(MIRA 10:12)
S '57.

1. Iz kafedry detskikh bolezney Voyenno-meditsinskoy akademii
imeni S.M.Kirova.
(ASTHMA) (X RAYS—THERAPEUTIC USE)

IL'INSKIY, P.I., prof., RUKHIMOVICH, G.S., kand.med.nauk

X-ray therapy of bronchial asthma in children; preliminary report.
Vest.rent. i rad. 33 no.3:71-72 My-Je '58 (MIRA 11:8)

1. Iz kafedry detskikh bolezney (nach. - deystvitel'nyy chlen AMN
SSSR zaslyzhenyy deyatel' nauki prof. M.S. Maslov) Voyenno-meditsinskoy
ordena Lenina akademii im. S.M. Kirova.
(ASTHMA, in inf. & child.
x-ray ther. (Rus))

LYUBETSKAYA, M.Z.; ZLATKOVSKAYA, D.A.; RUKHIMOVICH, O.S.

Syntomycin therapy of children with severe forms of dysentery.
Sov.med.18 no.1:33-34 Ja '54. (MLRA 7:1)

1. Iz kafedry propedevtiki detskikh bolezney (zaveduyushchiy - doktor meditsinskikh nauk S.Sh.Shamsiyev) Tashkentskogo meditsinskogo instituta, detskoj bol'nitsy im. Rozy Lyuksemburg (glavnnyy vrach Kh.R.Zakhidova) i vremennogo dizenteriynogo statsionara. (Dysentery) (Antibiotics)

RUKHIMOVICH, L. S.

USSR/Medicine - Roentgenology

Card 1/1

Authors : Kevesh, Ye. L., Libov, S. L., and Rukhimovich, L. S.

Title : The use of angiography for the determination of congenital heart defects

Periodical : Vest Rentgen i Radiol 1, 33-40, 1954

Abstract : Describes the use of a specially constructed apparatus for taking angiograms. Authors feel that only 5-6 angiograms are necessary for the clinical determination of the type of heart defect. Use of their apparatus permits taking 6 exposures in 7-10 seconds after introduction of the contrasting fluid. Two photographs (X-rays); three drawings.

Institution : Second Faculty Surgical Clinic (Chief-Acting Member, Academy of Medical Sciences USSR, Professor P. A. Kupriyanov), Military Medical Academy imeni S. M. Kirov

Submitted : Presented at the 337th meeting of Leningrad Society of Roentgenologists and Radiologists on April 14, 1953.

ZHERNOVY, A.I.; RUKHIN, A.B.

Setup for measuring the spin-lattice relaxation time in nuclei
of a liquid in contact with a powder. Izv. AN Kazakh. SSR.
Ser. fiz.-mat.nauk no. 2:63-69 '63. (MIRA 17:6)

L 17863-63

EWT(1)/BDS/EEC(b)-2 AFFTC/ASD/ESD-3/IJP(C) PI-4 GG

S/0048/63/027/007/0945/0946

64

ACCESSION NR: AP3003702

AUTHOR: Zhernovoy, A. I.; Rukhin, A. B.TITLE: Shift of the nuclear resonance signal in a flow-through probe /Report of
the Thirteenth Annual Conference on Nuclear Spectroscopy held in Kiev from 25
January to 2 February 1963/

SOURCE: AN SSSR, Izv. Seriya fizicheskaya, v.27, no.7, 1963, 945-946

TOPIC TAGS: nuclear magnetic resonance, NMR probe

ABSTRACT: In working with a flow-through type nuclear magnetic resonance probe it was noted that changes in the flow rate of the circulating liquid, the intensity of the oscillating field and the amplitude of modulation of the external field produce a shift of the nuclear resonance signal, which, of course, can result in errors in measuring, monitoring or stabilizing the magnetic field of interest. Expressions are deduced for the frequency shift of the probe signal as a function of the rate of flow of the liquid, the strength of the oscillating field and the gyro-magnetic ratio of the specimen nuclei. The results of experiments are discussed qualitatively. Suggestions are made for minimizing the shift; these are orienting

Card 1/2

L 17863-63

ACCESSION NR: AP3003702

the external field gradient perpendicularly to the direction of flow in the probe
and maintaining the flow rate and modulation amplitude and strength of the oscillating field as steady as possible. Orig.art.has: 9 formulas.

ASSOCIATION: none

SUBMITTED: OO

DATE ACQ: 02Aug63

ENCL: OO

SUB CODE: SD, PH

NO REF SOV: 000

OTHER: 000

Card 2/2

"APPROVED FOR RELEASE: 08/22/2000

CIA-RDP86-00513R001446010020-3

PAVLOV, O.V.; PIVOVAROV, S.P.; RUKHIN, A.B.; YAKOVLEV, G.I.

Letters to the editor. Usp. fiz. nauk 87 no.1:181-183 S '65.
(MIRA 18:9)

APPROVED FOR RELEASE: 08/22/2000

CIA-RDP86-00513R001446010020-3"

L 17962-63

EPF(c)/BDS/EWT(1) AFFTC/ASD Pr-4 OO

S/0048/63/027/007/0947/0948

ACCESSION NR: AP3003703

AUTHOR: Zhornovoy, A.I.; Rukhin, A.B.; Stal'kov, O.V.

59

TITLE: Acceleration of polarization of nuclei in nuclear resonance proton probe

SOURCE: AN SSSR, Izvestiya, Ser.fiz., v.27, no.7, 1963, 947-948

TOPIC TAGS: nuclear magnetic resonance, NMR probe, polarizer

ABSTRACT: The main function of the polarizing system used in conjunction with a flow-through type nuclear magnetic resonance probe is to provide the maximum possible value of the magnetization vector of the nuclei of the liquid flowing into the coil. The conditions for insuring better than 90% polarization and less than 10% magnetization loss on the way from the polarizer to the probe coil are given in the form of equations in terms of the polarizer volume, the tubing volume and the relaxation time of the nuclei. The significance of these factors is discussed, and it is concluded that to satisfy the above requirements the ratio of the effective volume of the polarizer filled with sand and iron filings to the total volume of the polarizer should be 1 to 6 or better. That is, use of a "well filled" polarizer makes it feasible to reduce the volume of the gap of the polarizing magnet

Card 1/2

L 17962-63

ACCESSION NR: AP3003703

and increase the effective field strength. Orig.art.has: 5 formulas.

ASSOCIATION: none

SUBMITTED: OO

DATE ACQ: 02Aug63

ENCL: OO

SUB CODE: SD, PH

NO REF SOV: 0000

OTHER: 000

Card 2/2

"APPROVED FOR RELEASE: 08/22/2000

CIA-RDP86-00513R001446010020-3

RUKHIN, L.B.

DECEASED
C' 1961

1962/6

SEE ILC

GEOLOGY

APPROVED FOR RELEASE: 08/22/2000

CIA-RDP86-00513R001446010020-3"

RUKHIN, L.B.

Facies and formation series and their relationship with island
arcs. Uch.zap. LGU no.310:32-54 '62. (MIRA 16:11)

RUKHIN, V. V.

PHASE I BOOK EXPLOITATION 507/223

25(2) Konferentsial'noe voprosos rascheta, konstruirovaniya i issledovaniy zashchitnykh pereklyuchatelej i peredach 1 peredach gibkoy avtotsil'. Odessa, 1951.

Nashchet, konferentsial'noye pereodolaniye i issledovaniye pereodach; trudy konfer-entali, t. 2 [Buletin Construction, and Analysis of Trans-missions]. Odessa: [issledovaniya i Transactions of a Conference on Problems in Design, Construction, and Analysis of Gears and Flexible Transmissions. Vol. 2] [Odessa], 1958. 94 p. 3,000 copies printed.

Sponsoring Agency: Odesskiy politekhnicheskiy institut, i obnoshcheniye administratsii "noy promyshlennosti". Odesskoye oblastnoye pravleniye.

Editorial Board: L.S. Borovich, Candidate of Technical Sciences, I.P. Mikitorov, Engineer, M.D. Denkin, Candidate of Technical Sciences, N.S. Belovarov, Engineer, M.D. Denkin, Candidate of Technical Sciences (Resp. Ed.), P.S. Zablotskiy, Candidate of Technical Sciences (Resp. Ed.), P.J. Zak, Candidate of Technical Sciences, Ya. O. Kiat yan, Candidate of Technical Sciences, V. N. Kudryavsev, Doctor of Technical Sciences, V.P. Matisev, Candidate of Technical Sciences, and E.B. Ensen, M.S. Polotskiy, Candidate of Technical Sciences, and E.B. Erlich, Candidate of Technical Sciences.

PURPOSE: The book is intended for engineers and technicians working in the field of transmissions.

COVERAGE: This second volume contains articles on variable-speed drives, flexible shafts, wire-rope drives, hook-joint and roller chains, and friction gears. Theoretical and design problems are presented in the first volume. No personalities are mentioned. References follow several of the articles.

TABLE OF CONTENTS:

Staryns'kiy, A.A. Friction Generated From Elastic Belts on Cylindrical Surfaces. 3

Friction between belt and cylinder is analyzed from two points of view: 1) when the cylinder is fixed, and 2) when the cylinder is rotating and driving the belt.

Mal'tsev, V.P., and A.I. Lutic. Investigation of Uniformity in Rotation of the Driver Shaft Of Impulse Variable-speed Drive. 13 Formula for coefficient of nonuniformity in rotation, dependence of nonuniformity on speed, is derived. An experimental device for checking nonuniformity is described.

Borulin, V.V. Investigation of Wear of Power Roller Chains. 55 The author describes a device for the short-time testing of roller chain parts for wear and an attachment for determining wear by measuring the real pitch of a chain. The results of tests conducted on these devices show that testing time was reduced by 15 to 20 times, accuracy increased, and costs lowered.

Mal'tsev, V.P., and P.A. Kovalev. Investigation of a Differential Variable-speed Drive. 63 The author describes a V-belt variable-speed drive with built-in differential gear mechanism. The drive is reversible, has a very wide speed range, and is manually controlled. The relationship between loading, efficiency, and speed is discussed.

Card 4/6

RUKHINA, E. V.

"The composition of glacial fluvioglacial and limnoglacial deposits and its connection with the sedimentary bed rocks."

report submitted for the 7th Intl Cong, Intl Assoc for Quaternary Research, Boulder & Denver, Colorado, 30 Aug-5 Sep 65.

3(5)

SOV/12-91-1-11/22

AUTHOR: Rukhina, Ye.V.

TITLE: On the Term Moraine (K voprosu o ponimanii termina morena)

PERIODICAL: Izvestiya Vsesoyuznogo geograficheskogo obshchestva, Vol 91,
Nr 1, pp 82-84 (USSR)

ABSTRACT: The author describes the origin of the term moraine and its
different meanings as used by Soviet and foreign scientists
over the centuries. There are 17 references, 7 of which are
Soviet, 4 French, 4 German and 2 English.

Card 1/1

RUKHINA, Ye.V.

Roundness of pebbles in contemporary alluvium of the Laba River.
Uch.zap.Len un. no.102:91-101 '50. (MIRA 10:1)
(Laba River—Pebbles)

"APPROVED FOR RELEASE: 08/22/2000

CIA-RDP86-00513R001446010020-3

RUKHINA, Ye.

STEPANOV, D.; RUKHINA, Ye.

Eleventh scientific meeting of the Leningrad University (Section of
Geological Sciences) Vest.Len.un. 10 no.10:128-129 O '55. (MLRA 9:1)
(Geology)

APPROVED FOR RELEASE: 08/22/2000

CIA-RDP86-00513R001446010020-3"

Rukhina, Ye. V.

15-1957-7-9140

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 7,
p 46 (USSR)AUTHOR: Rukhina, Ye. V.TITLE: Peculiarities of Bedding and Orientation of Gravel in
Some Types of Quaternary Deposits (Ob osobennostyakh
sloistosti i oriyentirovki gal'ki v nekotorykh ti-
pakh chetvertichnykh otlozheniy)

PERIODICAL: Uch. zap. LGU, 1956, Nr 209, pp 48-57

ABSTRACT: It has been observed that, in gravel berms along ma-
rine and lacustrine shores and in gravel bars on river
beds, the cobbles and pebbles are tilted by the cur-
rent during intense activity of the water in a direc-
tion opposite to the customary orientation. In slope-
wash deposits and during solifluction of morainal de-
posits, the slope of depressed pebbles agrees, as a
rule, with the direction of dip of the bedding, i.e.
with the orientation of the buried slope. Inclined
bedding is associated with buried topography as well;

Card 1/2

15-1957-7-9140

Peculiarities of Bedding and Orientation of Gravel in Some Types
of Quaternary Deposits (Cont.)

it is similar to cross bedding but is not related to a mobile environment, rather reflecting the irregularities of the basin floor. Such bedding is developed not only in slope-wash deposits but also in lacustrine, littoral, and marine facies (for example, at the base of a reef). This bedding, which parallels the base of the series, dies out along the strike, commonly in proportion to the increase in distance from the slope of the upland. Pebbles are oriented parallel to the bedding. A bibliography of 11 references is appended.

Card 2/2

Yu. Ye. Baranov

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 4,
p 35 (USSR)

15-57-4-4297

AUTHOR: Rukhina, Ye. V.

TITLE: Certain Features of the Lithology of Quaternary Deposits
and Methods of Studying Them (O nekotorykh osoben-
nostyakh litologii chetvertichnykh otlozheniy i metodike
ikh izucheniya)

PERIODICAL: Vestn. Leningr. un-ta, 1956, Nr 12, pp 47-57.

ABSTRACT: The author examines the group of observations which are
necessary in studying Quaternary glacial deposits.
Attention must be given to the accumulation of cobbles
and boulders on the surface and at some depth in the
section; to the shape of the cobbles and boulders, to
the orientation of cobbles in moraines and boulders, to
viable deposits (by using a compass); to the petrography
of the boulders and cobbles; to the quantity of coarsely
fragmental material, which is an indicator of the effect

Card 1/2

RUKHINA, Ye.V.

Twelfth scientific session of Leningrad University (geological sciences section). Vest.Len.un 11 no.18:146-149 '56. (MLRA 9:12)

(Geology--Congresses)

RUKHINA, Ye.V.

Pre-Quaternary valleys in the northwestern part of the Russian
Platform and their geological significance. Trudy Len. ob-va
est. 69 no.2:151-157 '57. (MIRA 11:2)
(Russian Platform—Paleogeography)

RUKHINA, Ye.V.

Formation of terminal moraines in the field of the last glaciation
[with summary in English]. Vest.LGU 13 no.18:22-26 '58.
(MIRA 12:1)

(Glacial epoch) (Moraines)

RUKHINA, Ye.V.

Materials on lithological studies of Quaternary sediments in the
Odintsovo section. Biul.Kom.chetv.per. no.23:57-65 '59.

(MIRA 13:4)

(Moscow region--Drift)

RUKHINA, Ye.V.

Characteristics of the granulometric composition of morainic
debris. Vest.LGU 14 no.18:21-30 '59. (MIRA 12:8)
(Russia, Northwestern--Moraine)

"APPROVED FOR RELEASE: 08/22/2000

CIA-RDP86-00513R001446010020-3

RUKHINA, Ye. V.

Pseudomoraine. Vop. geog. no.46:178-184 '59. (MIRA 12:12)
(Moraines)

APPROVED FOR RELEASE: 08/22/2000

CIA-RDP86-00513R001446010020-3"

RUKHINA, Ye.V.

Meaning of the term "Moraine." Izv. Vses. geog. ob-va 91 no.1:82-84
Ja.-F '59. (MIRA 12:3)
(Moraines)

RUKHINA, Yevgeniya Valerianovna; BUSORGINA, N.I., red.; ZHUKOVA, Ye.G.,
tekhn.red.

[Lithology of moraines] Litologija morennnykh otlozhenii.
Leningrad, Izd-vo Leningr.univ., 1960. 140 p. (MIRA 13:4)
(East European Plain--Moraines)

RUKHIN, Lev Borisovich, prof.[deceased]; RUKHINA, Ye.V., kand.geol.-min.nauk.
Prinimali uchastiye: SARANCHINA, G.M., dots.; FRANK-KAMENETSKIY,
V.A., dots.; KALINKO, M.K., doktor geol.-miner. nauk; VASSOEVICH,
N.B., prof., red.; TOKAREVA, T.N., ved. red.; YASHCHURZHINSKAYA,
B.Ya., tekhn. red.

[Fundamentals of lithology; theory of sedimentary rocks] Osnovy
litologii; uchenie ob osadochnykh porodakh. Izd.2., perer.i dop.
E.V.Rukhinoi. Pod red. N.B.Vassoevicha. Leningrad, Gos.nauchno-
tekhn.izd-vo neft. i gorno-toplivnoi lit-ry, 1961. 779 p. (MIRA 15:2)

1. Leningradskiy gosudarstvennyy universitet (for Saranchina, Frank-
Kamenetskiy). 2. Vsesoyuznyy nauchno-issledovatel'skiy geolo-
razvedochnyy neftyanoy institut (for Kalinko).

(Rocks, Sedimentary)

RUKHIN, Lev Borisovich; SINITSYN, V.M., doktor geol.-miner. nauk,
retsenzent; RUKHINA, Ye.V., kand. geol.-miner. nauk, red.;
TOKAREVA, T.N., ved. red.; SAFRONOVA, I.M., tekhn. red.

[Fundamentals of general paleogeography] Osnovy obshchei pa-
leogeografii. Izd.2., perer. i dop. Pod red. E.V.Rukhinoi.
Leningrad, Gostoptekhizdat, 1962. 628 p. (MIRA 15:11)
(Paleogeography)

"APPROVED FOR RELEASE: 08/22/2000

CIA-RDP86-00513R001446010020-3

RUKHINA, Ye.V.; KASHIK, D.K.; DYUFUR, M.S.

Determination of the shape of sand grains by the use of a vibro-separator. Uch.zap. IgU no.310:55-67 '62. (MIRA 16:11)

APPROVED FOR RELEASE: 08/22/2000

CIA-RDP86-00513R001446010020-3"

RUKHINA, Ye.V.

Subdivision of morainal sediments based on lithological indica-
tions. Uch.zap. LGU no.310:139-146 '62. (MIRA 16:11)

RUKHAKYAN, A.A.

AGADZHANYAN, G.Kh.; RUKHAKYAN, A.A.

[Bibliography of the agricultural literature of Armenia] Bibliografiia sel'skokhoziaistvennoi literatury Armianskoj SSR. Erevan, Kul'tpros-izdat, 1950. 535 p. (MIRA 10:11)

(Bibliography--Armenia--Agriculture)
(Armenia--Agriculture--Bibliography)

RUKHKYAN, A.A.

A new breed of fat-tailed sheep with medium-fine wool. Izv. AN Arm.
SSR. Biol. i sel'khoz. nauki. 2 no.1:55-63 '49. (MLRA 9:8)

1. Institut zhivotnovodstva Akademii nauk Armyanskoy SSR.
(ARMENIA--SHEEP BREEDS) 

HUKHKYAN, A.A.

The case described by S.K.Karapetian concerning the generation
of filbert by the hornbeam. Bot.zhur. 38 no.6:885-891 N-D '53.
(MLRA 7:1)

1. Yerevanskiy zoovetinstitut.
(Hornbeam) (Filbert) (Karapetian, S.K.)

EUKHLENKO, A.

Planning based on gross turnover. Obshchestv.pit. no.12:41-43 D
'60. (MIRA 13:12)

1. Zamestitel' nachal'nika planovo-ekonomiceskogo upravleniya
Ministerstva torgovli RSFSR.
(Restaurants, lunchrooms, etc.--Finance)

RUKHLENKO, N.A., inzh.; KAGANOVSKIY, B.M., inzh.

Tunnel kilns with top gas feed for firing bricks. Stroi.mat.
5 no.8:28-29 Ag '59. (MIRA 12:12)
(Kilns)

RUKHLIN, P.N., kand.tekhn.nauk; PERTSOVSKIY, G.A., inzh.

Industrial experience in the introduction of electric slag edge
surfacing of large structural shells. Svarka 2:163-173 '59.
(MIRA 14:5)

(Electric welding)

RUKHLIN, P.N., kand.tekhn.nauk; LUR'YE, V.S., inzh.

Equipment for and technology of electric slag welding and
built-up head welding of long joints. Svarka 1:201-214
'58. (MIRA 12:8)

(Electric welding—Equipment and supplies)

RUKHLIN, P.N., kand.tekhn.nauk; PERTSOVSKIY, G.A., inzh.

Electric slag welding of heat-resistant steels. Svarka 1:194-
200 '58. (MIRA 12:8)

(Electric welding) (Heat-resistant alloys--Welding)

Rukhlin, P.N.

25(1) PHASE I BOOK EXPLOITATION Sov/2050
 Sovetsk Obzornik Stately, [Typ]. 1. (Welding). Collection of Articles.
 Br 1) Leningrad, Sudpromgiz, 1958. 246 p. 4,000 copies printed.
 Rep. Ed. G. I. Kaprini, Candidate of Technical Sciences;
 Ed.: I. A. Zhuravskaya; Tech. Ed.: K. M. Volchok.

PURPOSE: This collection of articles is intended for use in research institutes, institutes of higher learning, design offices, and plants.

COVERAGE: These technical papers deal with the results of research in welding technology. The main purpose of this work was to investigate the effects of various welding regimes and heat treatments on the mechanical properties of welds of austenitic and perlitic composition. A number of experiments also dealt with the welding properties and weldability of titanium-base alloys and a number of nonferrous metals. One of the objects of the research was to establish the relationship between the geometry of the weld seam and its physical properties. The physical properties of the weld, its mechanical properties, and the various factors affecting the grain structure of the metal were studied by a number of scientists. Of special practical interest is the study of the behavior of a welded structure in which the elasticity of the material and of the welded joint are not within the same range. These considerations lead to experiments with mechanically induced changes in the properties of the weld seam. Another problem which presents many difficulties in welding is the behavior and changes in the heat-affected zone next to the welded joint. One of the papers deals with experiments in this field. A description is given of the equipment and the technique used in electron-beam welding, which is regarded as one of the major advances in modern welding technology. Several papers deal with welding techniques of nonferrous alloys and with the use of special fluxes for this work. Most of the papers are profusely illustrated with graphs, diagrams, and photographs. References are given after each article.

TABLE OF CONTENTS:

Welding (Cont.)	Sov/2050
Rukhlin, P.M., Candidate of Technical Sciences, and V.N. Murya, Engineer. Equipment and Technique of Electrowelding. Welding and Build-up of Long Weld Seams	201
Brunstein, Yu. D., Engineer. Hydration of Molten Weld Plasma	215
Savchenko, Yu. I., Engineer, and Yu. D. Brunstein. Problems of Welding Plumes for Automatic Welding With Low-Voltage Cr-Mo-V Mrr Electrodes	232
AVAILABLE: Library of Congress	60/4th

Rukhlin, P. N., Cand. Tech. Sci. and G. A. Pertsovskiy, Engineer, "Submerged Arc Welding of Heat Resistant Steels."
 P. 194
 and 6/6
 7-27-59
 3

BUKHIN, V.

Precision in establishing radio bearings. Mor. i rech. flot 13 no.1:8-10
My '53. (MIRA 6:10)
(Radio in navigation)

ROZINSKIY, S.Ye.; SUKHAIEV, A.F.; RUKHLIN, V.G.

Theory of the instability of an anisotropic plasma with a beam.

Izv.vys.ucheb.zav.; radiofiz. & no.1&50-56 '65.

(MIRA 18:6)

1. Fizicheskiy institut im. P.N.Lebedeva AN SSSR.

L 53012-65 EWT(1)/EPP(n)-2/ENG(m)/EPA(v)-2 Pz-6/Po-4/Pab-10/Pt-4 IJP(c)

WW/AT

ACCESSION NR: AP5010676

UR/0141/65/008/001/0050/0056

30
21

B

AUTHOR: Rosinskiy, S. Ye.; Rukhadze, A. A.; Rukhlin, V. G.

TITLE: Contribution to the theory of instability of an anisotropic plasma with a beam

SOURCE: IVUZ. Radiofizika, v. 8, no. 1, 1965, 50-56

TOPIC TAGS: anisotropic plasma, two stream instability, plasma instability, dielectric tensor

ABSTRACT: The authors analyze the low-frequency oscillations which can occur in a system comprising an anisotropic plasma and a beam, with account taken of the anti-hermitian part of the dielectric tensor. It was suggested in earlier papers by one of the authors (Rukhadze, Izv. vyssh. uch. zav. - Radiofizika v. 6, 401, 1963 and with V. G. Makhan'kov, Yadernyy sintez v. 2, 177, 1962) that electromagnetic waves can be produced in such a plasma by mechanisms other than the Cerenkov effect and the anomalous Doppler effect, but the possibility of development of two-stream instability in such a system when the condition for the Cerenkov effect is not satisfied was not demonstrated in the earlier work, which was limited to hydrodynamic

Card 1/2

L 53012-65

ACCESSION NR: AP5010676

2

oscillations under conditions when the antihermitian part of the dielectric tensor can be neglected. The analysis is carried out both with and without an external magnetic field. It is shown that in the absence of an external magnetic field, a spatially unbounded anisotropic plasma with a beam is unstable for arbitrary directional velocities of the beam. The values of the critical beam velocities at which low-frequency instability in a bounded plasma sets in, are estimated. It is shown that a strong magnetic field stabilizes such an instability of an anisotropic plasma. "The authors thank V. P. Silin for valuable remarks." Orig. art. has: 15 formulas.

ASSOCIATION: Fizicheskiy institut im. P. N. Lebedeva AN SSSR (Physics Institute
AN SSSR)

SUBMITTED: 21Nov63

ENCL: 00

SUB CODE: ME

NR REF Sov: 04

OTHER: 000

2nd
Card 2/2

RUKHLINSKIY, N.; SARANTSEV, G.

Rights and functions of factory and local committees. Sov.profsoiuzy
6 no.14:59-64 0 '58. (MIRA 11:12)

1. Zamestitel' predsedatelya zavkoma Minskogo traktornogo zavoda
(for Rukhlinskiy).2. Predsedatel' komiteta profsoyuza teplosilovogo
tsekha togo zhe zavoda (for Sarantsev)
(Trade unions)

FEDOROV, S.A., doktor tekhn. nauk; SIMANOV, V.G., gornyy inzh.;
RUKHLOV, V.A., gornyy inzh.; POLYAKOV, A.A., gornyy inzh.

Air space as a means of controlling the effects of blasting.
Vzryv. delo no.54/11:153-157 '64. (MIRA 17:9)

1. Sverdlovskiy gornyy institut.

LIPSHITS, Naum Veniaminovich, kand.tekhn.nauk; KLEYN, Aleksandr Kazimirovich; RUKHLYA, Ivan Ivanovich; MUKHANOV, P.Ya., retsenzent; NIKITIN, M.N., retsenzent; SOKOLOVA, V.Ye., red.; SHVETSOV, S.V., tekhn.red.

[Overall redesigning of the automatic AT-175-Sh loom; from the work practices of the Klintsy Fine Woolen-Cloth Factory named after the Komintern and of the Bryansk Woolen and Worsted Combine] Kompleksnaia modernizatsiia avtomaticheskikh tkatskikh stankov AT-175-Sh; iz opyta raboty Klintsovskoi tonkosukonnoi fabriki imeni Kominterna i Brianskogo kamvol'nogo kombinata. Moskva, Izd-vo nauchno-tekhn.lit-ry RSFSR, 1961. 85 p.
(MIRA 15:2)

(Bryansk Province--Looms)

43011

S/194/62/000/010/026/084
A154/A126

28.2.1971
AUTHOR: Rukhlyadev, A.A.

TITLE: Liquid-level stabilization in containers by position control

PERIODICAL: Referativnyy zhurnal, Avtomatika i radioelektronika, no. 10, 1962,
61, abstract 10-2-121k (Sb. nauchn. tr. In-t avtomatiki Gosplana
USSR, 1961, no. 2, 186 - 197)

TEXT: The author sets forth a theory of 3-position liquid-level control
in containers, and conditions for eliminating cycling in the case of a unit dis-
turbance without dead time. A description is given of a relay level stabilizer,
an experimental model of which has undergone laboratory and industrial tests.
The device is intended for use with level position transmitters or indicators
and guarantees stability of the level within a given dead band without cycling.
The final control elements consist in arrangements such as slides or throttles
which vary the flow (admission) of liquid directly proportional to the time dur-
ing which they are operating. There are 7 figures and 1 reference.

A.V.

[Abstracter's note: Complete translation]

Card 1/1

RUKHLYADEV, A.A., kand.tekhn.nauk

Stabilization of liquid level in containers by means of position
regulation. Avtom.i prib. no.2:186-197 '61. (MIRA 14:12)
(Liquid level indicators)

RUKHLYADYEV D.P.

USSR/Diseases of Farm Animals - Diseases Caused by Helminths.

R.

Abs Jour : Ref Zhur - Biol., No 6, 1958, 26321

Author : Rukhlyadyev, D.P.

Inst : Daghestan Institute of Animal Husbandry, Academy of Sciences, USSR.

Title : Basic Treatment System of Dictiocaulosis and Moniociosis in Distilled Pasture Sheepbreeding of Daghestan.

Orig Pub : Tr. In-ta zhivotnovodstva, Dagest. fil. AN SSSR, 1956,
4, 178-204

Abstract : Description of specific compositions of causative agents in sheep helminthiasis, their propagation, the sources and foci of their infestation, observations of larval survival stages of causative agents and their vectors, seasonal and age-determined dynamics of dictiocaulosis and moniociosis under conditions of distilled-pasture

Card 1/2

16

RUKHLYADEV, D. P.

1945. Rukhlyadev, D. P. Novyy vid nematoi thominoi matrii iz pishchevoda vykhukholi. Gel'mintol. SB., posvyashchenyy 40 letn. Yubil. Deyatel'nosti zek. K. I. Skryabina.

"APPROVED FOR RELEASE: 08/22/2000

CIA-RDP86-00513R001446010020-3

Stryabin, D. I., and Shchegolev, V. I..

Kazakhstan's leading literary figure recently, "Works on Moliniology" on the 75th Birthday of K. I. Stryabin, Izdat. Akad. Nauk, SSSR, 1953, page 522
Caucasus State Reservation

APPROVED FOR RELEASE: 08/22/2000

CIA-RDP86-00513R001446010020-3"

USSR/Diseases of Farm Animals. Diseases Caused by Helminths

R

Res Jour : Ref Zhur - Biol., No 10, 1958, No 88261.

Author : Rukhlyadov D.P.

Inst : Daghestan Scientific Research Institute of Agriculture
Title : The Problem of Cystocercosis Epizootiology among Sheep of
Daghestan (Spread and Diagnosis)

Orig Pub : Byul. nauchno-tekh. inform. Dagestan. n.-i. in-ta s.
kh., 1957, No 1, 30-65

Abstract : No abstract

Card : 1/1

GADZHIYEV, S.M., otv. red.; ALIVERDIYEV, A.A., doktor biol. nauk,
red.; PLEKHANOV, N.I., kand. biol. nauk, red.; RUKHLYADEV,
D.E., kand. veter. nauk, red.; SHAKHMARDANOV, Z.A., kand.
veter. nauk, red.; EMIRBEKOV, E.Z., kand. biol. nauk, red.

[Problems of physiology, biochemistry, zoology and para-
sitology; collection of papers of the Departments of Zoology
and Organic and Biological Chemistry] Voprosy fiziologii,
biokhimii, zoologii i parazitologii; sbornik nauchnykh so-
obshchenii kafedry zoologii i kafedry organicheskoi i biolo-
gicheskoi khimii. Makhachkala, Dagestanskoe knizhnoe izd-
vo, 1965. 168 p. (MIRA 19:1)

1. Makhach-Kala. Dagestanskiy gosudarstvennyy universitet.

RUKHLYADEV NIKOLAY LEONIDOVICH

KRUZHLOV, Anatoliy Georgiyevich; RUKHLYADEV, Nikolay Leonidovich;
BELODVORSKIY, Yu. M., redaktor; AVRUSHCHENKO, R.A. redaktor
izdatel'stva; KONYASHINA, A., tekhnicheskiy redaktor

[Gas distribution practice in foreign countries] Iz
zarubezhnoi praktiki gazosnabzheniya. Moskva, Izd-vo M-va
kommun. khoz. RSFSR, 1956. 58 p. (MLRA 10:5)
(Gas distribution)

RUKHLYADEV, V.L.

Repeating stations without continuous technical maintenance. Vest.
sviazi 17 no.3:21-22 Mr '57. (MLRA 10:4)

1. Glavnyy inzhener Upravleniya kabel'noy magistrali.
(Electric cables)

RUKHLYADEV, V.P.

Dependence of the zooplankton biomass on the rate of flow and
content of suspended debris in the river stream. Trudy Kuib.
med.inst. 11:255-263 '60. (MIRA 15:8)

1. Iz kafedry obshchey biologii (zav. kafedroy - prof. S.M.Shikleyev)
Kuybyshevskogo meditsinskogo instituta.
(VOLGA RIVER—MICROBIOLOGY)

RUKHLYADEV, Y.. .

Dependence of the biomass and the outline of the Volga zooplankton upon the basic environmental factors. Zool. zhur. 43 no.1: 3-16 '64. (MIRA 1737)

1. Kafedra ekologii i biologii klybyshhevskogo meditsinskogo instituta.

RUKHLYADEV, Yu.P.

Studying the flow of zooplankton in the Volga River near Kuybyshev.
Trudy probl. i tem. sov. no.7:111-115 '57. (MLRA 10:4)
(Volga River--Zooplankton)

L 06265-67 EWP(M)/EWP(L)/ELI IJP(C) JD/AT

ACC NR: AP6030974 SOURCE CODE: UR/0181/66/008/009/2762/2764

AUTHOR: Kolomiyets, B. T.; Rukhlyadev, Yu. V.

ORG: Physicotechnical Institute im. A. F. Ioffe, AN SSSR, Leningrad (Fiziko-tehnicheskiy institut, AN SSSR)

TITLE: Effect of germanium and tin on the photoelectric properties of arsenic selenide

SOURCE: Fizika tverdogo tela, v. 8, no. 9, 1966, 2762-2764

TOPIC TAGS: selenide, arsenic compound, semiconductor conductivity, photoconductivity

ABSTRACT: The conductivity and photoconductivity of vitreous arsenic selenide containing germanium and tin impurities in various concentrations were studied in the 60-180°C range. The activation energies were calculated from the temperature dependence of the conductivity and the conductivity values at 20°C were found by extrapolation. An increase in germanium content up to certain values decreases the conductivity and increases the activation energy; a further increase of Ge content above 10 at. % and Sn content above 4 at. % causes the conductivity to rise and the activation energy to diminish. For any Ge or Sn content, the activation energy calculated from the spectral distribution of the photoconductivity (allowing for the temperature dependence of the change of the forbidden band width) is greater than the activation energy calculated from the temperature dependence of the conductivity, and there is no

59
B

21

Card 1/2

L 06265-67

ACC NR: AP6030974

distinct maximum of the activation energy as a function of the content of the elements introduced. It is shown that as the Ge content gradually rises, an increasing amount of a three-dimensional phase of As_2Se_3 is formed. Above 10 at. % Ge, the part played by the initial laminar phase is small, and the photoconductivity is completely determined by the three-dimensional phase. In the case of tin, the picture is more complex. A marked decrease in mobility μ_T is apparently due to additional scattering of current carriers on defects arising at the initial stage of rearrangement of the glass structure. Orig. art. has: 2 figures and 1 table.

SUB CODE: 20 / SUBM DATE: 02Dec65 / ORIG REF: 005 / OTH REF: 001

Card 2/2 eph

Rukhlyadeva, A.P.

USSR /Chemical Technology. Chemical Products
and Their Application

I-31

Fermentation industry

Abs Jour: Referat Zhur - Khimiya, No 9, 1957, 32857

Author : Rukhlyadeva A.P., Gracheva I.M.

Title : Extraction of Sugars in Determination of Starch
Content of Grain

Orig Pub: Spirt. prom-st', 1956, No 4, 8-9

Abstract: A procedure has been worked out and an apparatus evolved, for the extraction of sugars from grain to permit their determination by the polarographic method. The apparatus consists of a conical, wide-neck flask, a beaker with a

Card 1/3

USSR /Chemical Technology, Chemical Products
and Their Application

1-31

Fermentation industry

Abs Jour: Referat Zhur - Khimiya, No 9, 1957, 32857

porous bottom, a separatory funnel, a Liebig condenser and a receiver. 5 g of the ground material are weighed out in the beaker, 10-12 ml of 82% alcohol are added, the beaker is placed into the flask and closed with a stopper through which extends the tip of the outlet tube of the separatory funnel which passes through the stopper of the flask. Into the separatory funnel are poured 70 ml 82% alcohol. The flask is stoppered, connected to the condenser and placed in a boiling bath. On heating of the alcohol the pressure within the beaker rises and the liquid is forced through the layer of the sub-

Card 2/3

USSR /Chemical Technology. Chemical Products
and Their Application

I-31

Fermentation industry

Abs Jour: Referat Zhur - Khimiya, No 9, 1957, 32857

stance being analyzed and then through the porous filter. The sugars are thus extracted. The extract collects on the bottom of the flask, is heated to a boil, the vapor passes into the condenser and the condensate collects in the receiver. Addition of fresh portions of alcohol have been used up. Distillation is continued until 70-73 ml of condensate have collected in the receiver. The 7 or 8 increment extraction ensures complete removal of the sugars. The process of extraction and distillation of the solvent requires 30-35 minutes.

Card 3/3

"APPROVED FOR RELEASE: 08/22/2000

CIA-RDP86-00513R001446010020-3

RUKHLYADEVA, A.P.

Seminar on the technical and chemical control in the distilling
industry. Ferm. i spirt. prom. 30 no.7&45-46 '64
(MIRA 18:2)

APPROVED FOR RELEASE: 08/22/2000

CIA-RDP86-00513R001446010020-3"

RUKHLYADEVA, A.P.; OKOSHCHENKO, L.I.

All-Union seminar on the technology and control of the production
of fermentation preparations for the various branches of the
industry. Ferm. i spirit.prom. 31 no.5:43-45 '65.

(MIRA 18:8)

RUKHLYADEVA, A.P.; POLYGALINA, G.V.; BAULINA, E.A.; KRETOV, V.F.

Automatic method for determining the concentration of grain and
potato mash. Ferm. i spirt. prom. 30 no.3:25-29 '64.

(MIRA 18:2)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut fermentnoy i
spirtovoy promyshlennosti (for Rukhlyadeva, Polygalina).
2. Vsesoyuznyy nauchno-issledovatel'skiy eksperimental'no-
konstruktorskiy institut prodovol'stvennogo mashinostroyeniya
(for Baulina, Kretov).

RUKHLYADEVA, A.P.; POLYGALINA, G.V.; SEMIKINA, L.I.

Vitamin and acid content of grain and potato vinasse. Trudy
TSNIISP no.12:66-72 '62. (MIRA 17:3)

RUKHLYADEVA, A.P.; FILATOVA, T.G.

Anthrone colorimetric method for determining sugar and starch
in low concentration suspensions. Sakh. prom. 36 no.12:37-40
D '62. (MIRA 16:6)

1. TSentral'nyy nauchno-issledovatel'skiy institut spirtovoy
i likero-vodochnoy promyshlennosti.
(Sugar—Analysis)
(Starch—Analysis)
(Colorimetry)

RUKHLYADEVA, A.P.; FILATOVA, T.G.

Determination of unfermented carbohydrates in intermediate products of alcoholic fermentation. Spirt.prom. 28 no.2: 11-16 '62. (MIRA 15:3)

1. TSentral'nyy nauchno-issledovatel'skiy institut spirtovoy promyshlennosti. (Carbohydrates) (Fermentation)

RUKHLYADEVA, A.P.; MIKHRINA, Ye.N.; GRACHEVA, I.M.

Accuracy of the polarimetric method for determining the starch
content of grain. Trudy TSNIISP no. 8:89-98 '59.

(MIRA 14:1)

(Grain) (Starch)